

Listing of the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of generating power via a gas turbine and a steam turbine which comprises:

A. operating in a first mode by:

a. supplying coal bed methane, ~~an oxygen-containing gas~~ oxygen derived from an air separation plant, and flue gas produced in the gas turbine wherein the flue gas is predominantly CO₂, all under pressure, to a combustor of the gas turbine and combusting the coal bed methane and using the heated combustion products and the flue gas to drive the gas turbine, wherein an air compressor of the gas turbine supplies air to the air separation plant;

b. supplying a hot flue gas stream produced in the gas turbine to a heat recovery steam generator and using the heat of the flue gas to generate steam by way of heat exchange with water supplied to the steam generator;

c. supplying steam from the steam generator to a steam turbine and using the steam to drive the steam turbine; and

d. supplying (i) a part of the flue gas stream from the gas turbine that passes through the heat recovery steam generator to the combustor of the gas turbine and (ii) ~~another part~~ the remainder of the flue gas stream from the gas turbine that passes through the heat recovery steam generator to a suitable underground storage region; and

B. operating in a second mode by:

a. supplying coal bed methane and air from an air compressor of the gas turbine, both under pressure, to a combustor of the gas turbine and combusting the coal bed methane and using the heated combustion products and the flue gas to drive the gas turbine;

- b. supplying a hot flue gas stream produced in the gas turbine to a heat recovery steam generator and using the heat of the flue gas to generate steam by way of heat exchange with water supplied to the steam generator;
 - c. supplying steam from the steam generator to a steam turbine and using the steam to drive the steam turbine.
- 2. (Canceled)
- 3. (Canceled)
- 4. (Canceled)
- 5. (Original) The method defined in claim 1 wherein step (d) of operating mode (A) includes supplying the flue gas stream to the underground storage region as a liquid phase.
- 6. (Original) The method defined in claim 1 wherein the underground storage region is a coal bed seam.
- 7. (Original) The method defined in claim 6 wherein the underground storage region is the coal bed seam from which coal bed methane to power the gas turbine is extracted.
- 8. (Original) The method defined in claim 7 wherein step (d) includes supplying the flue gas stream to the underground storage region via existing well structures for extracting coal bed methane from the underground storage region.
- 9. (Original) The method defined in claim 1 wherein step (d) of operating mode (A) includes separating water from the flue gas.

10. (Original) The method defined in claim 1 wherein step (d) of operating mode (A) includes:

- i. compressing the flue gas stream to a first pressure; and
- ii. supplying one part of the compressed flue gas stream to the combustor of the gas turbine.

11. (Original) The method defined in claim 10 wherein step (d) of operating mode (A) further includes:

- i. compressing another part of the compressed flue gas stream to a second, higher pressure;
- ii. cooling the pressurised flue gas stream from step (i) and forming a liquid phase; and
- iii. supplying the liquid phase to the underground storage region.

12. (Original) The method defined in claim 1 includes supplying air from the air compressor of the gas turbine and producing oxygen in the plant during operating mode A.

13. to 16. (Canceled)